

0069111

SAF-RC-001
Industrial Hygiene Sampling
FINAL DATA

NO DISTRIBUTION REQUIRED

COMMENTS:

SDG

06-S-0352

SAF-RC-001

Rad only

X

Chem only

Rad & Chem

X Complete

Partial

100 Area, 100N, 1715 Tank

RECEIVED
MAR 21 2006

EDMC



Submitted To: Denise Pitts
Washington Closure Hanford
3070 George Washington Way, MSIN L1-07
Richland, WA 99354




Reference Data:	Lead
Client Sample No.:	J10T72 through J10T76
P.O. No.:	Not Available
Sample Location:	100 area, 100 N, 1715 tank
Sample Type:	Ghost Wipe
Method Reference:	NIOSH 9100
DCL Set ID No.:	06-S-0352
DCL Sample ID No.:	06-01877 through 06-01880
Sample Receipt Date:	1/27/2006
Preparation Date:	01/27/06
Analysis Date:	01/27/06

The samples were prepared and analyzed in accordance with NIOSH method 9100 using a Perkin Elmer 3000XL (ICP) purged spectrometer.

The results are provided in the enclosed data table. Results relate only to the items tested and are not blank corrected unless indicated in the data table.

This report shall not be reproduced except in full, without the written approval of the laboratory.


Chris Baugues
Analyst


Reviewer


CINCINNATI OFFICE
4388 GLENDALE-MILFORD ROAD
CINCINNATI, OHIO 45242-3706
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE
11 SANTA YORMA COURT
NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-9469

Results
Lead

Client #	DCL #	Total Area (cm ²)	µg/Wipe (µg/100 cm ²)
J10T72	06-01877	100	10.
J10T73	06-01878	100	3200.
J10T75	06-01879	0	ND
J10T76	06-01880	0	ND
	Prep Blank		ND
% Recovery	LCS 1		91.
% Recovery	LCS 2		92.
RPL			2.0

ND = not detected at or above the reporting limit (RPL).
LCS = laboratory control sample.


Chris Baugues
Analyst


Reviewer

Page 1 of 2

Enter on line below the first Sample Number from Page One:

510572

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			
SIGN / PRINT NAMES / USE MILITARY TIME			
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
<i>Phil Patrick Vichit</i>	1-26-06 1140	3746 Bldg, Rm 16, labeled cabinet	1-26-06 1140
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
<i>locked cabinet Bldg 3746, Rm #16</i>			1430
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
<i>Goldie Mathon</i>	01-26-06 1430	<i>RZ Steffler R.Z. Steffler</i>	1-26-06
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
<i>RZ Steffler R.Z. Steffler</i>	1-26-06 / 1530	<i>Fed Ex</i>	
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
<i>Fed Ex</i>		<i>[Signature]</i>	1/27/06 10:30
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
Relinquished By/Store:	DATE / TIME	Received By/Store:	DATE / TIME
LABORATORY SECTION	Received By:	Title	DATE / TIME
	<i>[Signature]</i>	<i>ICSO</i>	1/27/06 10:30

REVIEWED BY:

PRINT/SIGN NAME

DATE:

X



CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector: Patrick Vichit	Company Contact Denise A. Pitts and Henry W. Ruby	Telephone No. 531-1229	Project Coordinator Joan H. Kessner	Data Turnaround RUSH! 24 hour
Payroll #: 13219	Sampling Location 100 Area, 100 N, M15 tank	SPECIAL INSTRUCTIONS All relevant COAs must be provided: R1715N1452	SAF No. RC-001	
Type of Sample: Lead		ANALYSIS METHOD (SPECIFIC): NIOSH 9100	Method of Shipment Federal Express	
Shipped To: Data Chem Cincinnati, OH	Wipe Sample Media: Ghost <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Other		Bill of Lading/Air Bill No. 8534 1811 7566	

POSSIBLE SAMPLE HAZARD/REMARKS			MATRIX		Preservation (i.e., cooling required, etc.)	No	No	No	No	No	No			
Lead			A - AIR											
Special Handling and/or Storage			WI - WIPE											
Na			X - OTHER											
SAMPLE ANALYSIS														
SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (L) or Area (100 cm ²)	Comments	Asbestos Airborne	Lead Airborne	Beryllium Airborne	Beryllium Wipe	Mold	Lead wipe				
J10T72	WI	1-26-06	X	Na						X				
J10T73	WI	1-26-06	X	Na						X			1-26-06	
J10T75	WI	1-26-06	X	Blank						X				
J10T76	WI	1-26-06	X	Blank						X				
					COPY									
					FIELD SAMPLE COPY									
					1-26-06									
					1-26-06									

COPY

FIELD SAMPLE COPY

510 T72

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST					
SIGN / PRINT NAMES / USE MILITARY TIME					
Relinquished By/Stored:		DATE / TIME	Received By/Stored:		DATE / TIME
<i>[Signature]</i> Patrick Vichit		1-26-06 1140	3746 Bldg, Rm 16, locked cabinet		1-26-06 1140
Relinquished By/Stored:		DATE / TIME	Received By/Stored:		DATE / TIME
locked cabinet, Bldg 3746, Rm #16					1430
Gosh Makh, Goldie Malhan		01-26-06 1430	RZ Steffler R.J. Steffl		1-26-06
Relinquished By/Stored:		DATE / TIME	Received By/Stored:		DATE / TIME
		wch	Fed Ex		
RZ Steffler R.J. Steffl		1-26-06 / 1530			
Relinquished By/Stored:		DATE / TIME	Received By/Stored:		DATE / TIME
Relinquished By/Stored:		DATE / TIME	Received By/Stored:		DATE / TIME
Relinquished By/Stored:		DATE / TIME	Received By/Stored:		DATE / TIME
Relinquished By/Stored:		DATE / TIME	Received By/Stored:		DATE / TIME
Relinquished By/Stored:		DATE / TIME	Received By/Stored:		DATE / TIME
Relinquished By/Stored:		DATE / TIME	Received By/Stored:		DATE / TIME
Relinquished By/Stored:		DATE / TIME	Received By/Stored:		DATE / TIME
LABORATORY SECTION	Received By	Title	FIELD SAMPLE COPY DATE / TIME		

REVIEWED BY:

DATE:

PRINT/SIGN NAME

SAF-RC-001

Industrial Hygiene Sampling

FINAL DATA

NO DISTRIBUTION REQUIRED

COMMENTS:

SDG 06-A-0354 SAF-RC-001

Rad only ☒ Chem only Rad & Chem

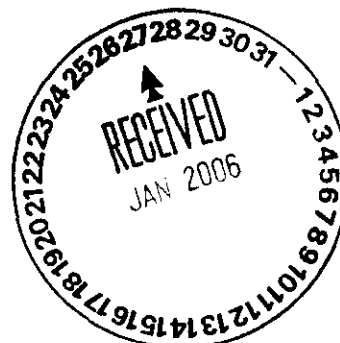
☒ Complete Partial

1314N



SUBMITTED TO:

Denise Pitts
Washington Closure Hanford
3070 George Washington Way, MSIN L1-07
Richland, WA 99354



REFERENCE DATA:

Client Sample Nos.:	J10T66 through J10T70
P.O. Number:	Not Available
Sample Location:	1314N
Sample Type:	MCE Air Filters
Method Reference:	Airborne Fibers by Phase Contrast Microscopy (PCM) NIOSH Method 7400, Fourth Edition, (dated 8/15/94)
Date Received:	1/27/2006
DCL Sample Set ID No.:	06-A-0354
DCL Sample Nos.:	06-01887 through 06-01890


The samples indicated on the following data sheet(s) were analyzed in accordance with the NIOSH Method 7400 outlined in the NIOSH Manual of Analytical Methods (NMAM), Fourth Edition, dated 8/15/94. This method requires that samples have a minimum volume of 400 Liters on a single sample or on consecutive samples and that 2 field blanks (or 10% of the total samples, whichever is greater) be submitted with each set. The results reported are not field blank corrected. Blanks receive a 100-field count, and data are reported as Fibers/Field for use in background correction.


Results are tabulated on the following page(s). Results are reported in Fibers/mm², Fibers per Filter and Fibers/mL (Fibers/cc). Concentrations in Fibers/mL are based on sample volumes or flow rates and times provided by the client. Results for all samples are based on the use of a 0.8- μ m pore size, 25-millimeter diameter filter having an effective collection area of 385 mm². Report applies only to portion(s) of sample(s) analyzed. Samples will be disposed of after 60 days unless otherwise instructed.

The limit of detection (LOD) for this method has been determined to be 7 Fibers/mm² for a sample volume of approximately 1200 Liters.

DataChem Laboratories adheres to the QA/QC guidelines set forth in this method that calls for 10% blind replicate analysis. The QA/QC officer maintains all QA/QC data at our laboratory.

DataChem Laboratories is American Industrial Hygiene Association (AIHA) accredited. Laboratory accreditation does not in any way constitute approval or endorsement by AIHA.


Sarah Scotland
Analyst


Anna Marie Ristich
Section Manager

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CINCINNATI OFFICE
4388 GLENDALE-MILFORD ROAD
CINCINNATI, OHIO 45242-3706
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE
11 SANTA YORBA COURT
NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-9469

DataChem Laboratories Phase Contrast Microscopy Test Report

Client: Washington Closure Hanford

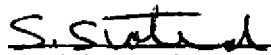
Sample Location: 1314N

P.O. No.: Not Available

ANALYSIS INFORMATION								
Graticule Area (mm ²):	0.00817							
SAMPLE INFORMATION			SAMPLE RESULTS				LOD	
Client Sample Nos.	DCL Nos.	Vol. (L)	Fib/Field	Fib/mm ²	Fib/Filter	Fib/mL	(Fib/mm ²)	(Fib/mL)
J10T66	06-01887	66.00	2.410	295	113,568	1.721	7	0.041
J10T69	06-01888	63.00	1.100	135	51,836	0.823	7	0.043
J10T67	06-01889	NA	0.005	<LOD	<LOD	NA	7	NA
J10T70	06-01890	NA	0.000	<LOD	<LOD	NA	7	NA

****Comments:** none.

***NOTES:** "NA" indicates no volume was given or the sample is a blank.
All samples counted using the "A" rules.


Sarah Scotland
Analyst


Anna Marie Ristich
Section Manager

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CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

Collector:

Eric Hekanson

Company Contact

Devise A. Pitts and Henry W. Ruby

Telephone No.

331-1229

Project Coordinator

Joan H. Kanner

Date Turnover

Payroll #:

73494

Sampling Location

SPECIAL INSTRUCTIONS

All relevant COAs must be provided.

SAF No.

RC-001

24-HR

Type of Sample:

Asbestos

1344

ANALYSIS METHOD (SPECIFIC)

Method of Sampling

FEI EX

Shipped To:

Do Anna Lincoln

Wipe Sample Media

Other

66-A-03524

Bill of Lading/Air Bill No.

8534 1811 7566

POSSIBLE SAMPLE HAZARD/REMARKS

Asbestos

MATRIX

Preservation (i.e., cooling required, etc.)

No

No

No

No

No

No

No

No

No

No

Special Handling and/or Storage

MATRIX

Preservation (i.e., cooling required, etc.)

No

No

No

No

No

No

No

No

No

No

SAMPLE ANALYSIS

SAMPLE NO.	MATRIX	SAMPLE DATE	VOLUME (L) or Area (sq ft)	Comments	Asbestos Airborne	Lead Airborne	Beryllium Airborne	Beryllium Wipe	Mold
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110716	A	1/25/09	6b	NA	X	01887			
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110719	A	1/25/09	63	NA	X	01888			
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110717	A	1/25/09	NA	Blank	X	01889			
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110710	A	1/25/09	NA	Blank	X	01890			
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110710	A	1/25/09	NA	Blank	X	01890			
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110710	A	1/25/09	NA	Blank	X	01890			
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110710	A	1/25/09	NA	Blank	X	01890			
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110710	A	1/25/09	NA	Blank	X	01890			
--------	---	---------	----	-------	---	-------	--	--	--

110710	A	1/25/09	NA	Blank	X	01890			
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Enter on line below the first Sample Number from Page One:

310766

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			
SIGN / PRINT NAMES / USE MILITARY TIME			
Relinquished By/Name:	DATE / TIME	Received By/Name:	DATE / TIME
Print / Erickson	1/25/06 1413	Locked Rm. 4 1/25/06	1/25/06 1413
Relinquished By/Name:	DATE / TIME	Received By/Name:	DATE / TIME
Frank Wolf	1/26/06 0830	3746 Bldg, Rm 16, Locked cabinet	1/26/06 0930
Relinquished By/Name:	DATE / TIME	Received By/Name:	DATE / TIME
3746 Bldg, Rm #16, locked cabinet			
Goldie Malhan	1-26-06 1430	RZ Steffler R.Z. Steffler	1-26-06 1430
Relinquished By/Name:	DATE / TIME	Received By/Name:	DATE / TIME
RZ Steffler R.Z. Steffler	1-26-06 / 1530	Fed Ex	
Relinquished By/Name:	DATE / TIME	Received By/Name:	DATE / TIME
Fed Ex		CR	1/27/06 10:30
Relinquished By/Name:	DATE / TIME	Received By/Name:	DATE / TIME
Relinquished By/Name:	DATE / TIME	Received By/Name:	DATE / TIME
Relinquished By/Name:	DATE / TIME	Received By/Name:	DATE / TIME
Relinquished By/Name:	DATE / TIME	Received By/Name:	DATE / TIME
Relinquished By/Name:	DATE / TIME	Received By/Name:	DATE / TIME
LABORATORY SECTION	Received By:	Title:	DATE / TIME
		RSO	1/27/06 10:30

REVIEWED BY:

DATE:

PRINT/SIGN NAME

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

[illegible]

Enter on line below the first Sample Number from Page One:

110766

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			
SIGN / PRINT NAMES / USE MILITARY TIME			
Relinquished By/Stored	DATE / TIME	Received By/Stored	DATE / TIME
Brick Brickenson	1/25/06 1413	Locked Rm. 4 110766/426	1/25/06 1413
Relinquished By/Stored	DATE / TIME	Received By/Stored	DATE / TIME
Paul Wolf Danul Wolf	1/26/06 0830	3746 Bldg, Rm 16, Locked cabinet	1/26/06 0930
Relinquished By/Stored	DATE / TIME	Received By/Stored	DATE / TIME
3746 Bldg, Rm #16, Locked cabinet			
Golden Mallon Golden Mallon	1-26-06 1430	RZ Steffler R.Z. Steffler	1-26-06 1430
Relinquished By/Stored	DATE / TIME	Received By/Stored	DATE / TIME
RZ Steffler R.Z. Steffler	1-26-06 / 1530	Fed Ex	
Relinquished By/Stored	DATE / TIME	Received By/Stored	DATE / TIME
Relinquished By/Stored	DATE / TIME	Received By/Stored	DATE / TIME
Relinquished By/Stored	DATE / TIME	Received By/Stored	DATE / TIME
Relinquished By/Stored	DATE / TIME	Received By/Stored	DATE / TIME
Relinquished By/Stored	DATE / TIME	Received By/Stored	DATE / TIME
Relinquished By/Stored	DATE / TIME	Received By/Stored	DATE / TIME
LABORATORY SECTION	Received By	Title	DATE / TIME

FIELD SAMPLE COPY

REVIEWED BY: _____ DATE: _____
 PRINT/SIGN NAME